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REPORT OF THE INFORMATION SYSTEMS COORDINATION COMMITTEE ON ITS FOURTH SESSION

(Geneva, 7-9 October 1996)

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INTRODUCTION

1. The Information Systems Coordination Committee (ISCC) held its fourth session from 7 to 9 October 1996 at the Office of the United Nations High Commissioner for Refugees (UNHCR) at Geneva.

2. In opening the session, the former Chairperson, Mr. Denis Aitken (World Health Organization (WHO)) introduced the new Chairperson, Ms. Kerstin Leitner (United Nations Development Programme (UNDP)). The Committee expressed appreciation to Mr. Aitken for his service; it had welcomed his wise counsel, and wished him every success in his future endeavours. The Committee welcomed Ms. Leitner.

3. The agenda adopted by the Committee, including the relevant document references, is contained in annex I, and the list of participants is contained in annex II.

I. MATTERS FOR ENDORSEMENT OR APPROVAL BY THE ORGANIZATIONAL COMMITTEE

A. Information systems technology and services

4. With respect to shared systems of widespread usage throughout the member agencies, ISCC recommends that an inter-agency funding mechanism be established outside the ISCC budget. Systems in production and candidates for production are:

(a) Shared Internet services, currently at the International Computing Centre, for the official Web site locator for the United Nations system;

(b) A proposed inter-agency "Intranet";

(c) The United Nations Shared Cataloguing and Public Access System (UNCAPS);

(d) Possible future systems that might be recommended by ISCC as being appropriate to the proposed mechanism.

B. Wider accessibility of information

5. With respect to policies on electronic information access and dissemination, ISCC recommends that:

(a) The Internet be the primary but not sole technology for electronic access and dissemination for external clients;

(b) All agencies be required to register their Internet servers with ISCC;

(c) The model policy statement developed by the ISCC Task Force on Information Access and Dissemination (see annex III below) be endorsed by ACC to be adapted and adopted by ISCC member agencies themselves;

(d) All United Nations bodies have search engines on their Web sites.

6. ISCC also recommends that its 1998-1999 work programme be organized in a manner that would focus its activities on three main areas:

(a) Information infrastructure;

(b) Improvement of access to information;

(c) Modernization of dissemination of information.

C. Terms of reference

7. ISCC recommends that OC note that, in implementing the Information Systems Applications of United Nations Organizations (UNAPPS), ISCC has fulfilled one of its terms of reference, i.e., to provide an electronic repository on information system developments within the United Nations system.

D. Appointment of Secretary

8. ISCC recommends that its current Secretary, Mr. John Northcut, be appointed for a second term.

E. Proposed agenda, dates and venue for the fifth session of the Committee

9. ISCC recommends that its fifth session be held at Geneva for three days, between 6 and 16 October 1997, with the understanding that, pending further discussion, the session could be held in New York instead. The agenda should include:

(a) Reports from the various task forces;

(b) Oral presentations on themes related to best practices, results-oriented demonstrations and information-sharing among coordination bodies;

(c) Other items still to be determined due to the rapid changes taking place in information management and information technology.

II. SUMMARY OF ACTION TAKEN AND DECISIONS ADOPTED BY THE INFORMATION SYSTEMS COORDINATION COMMITTEE

A. Task Force on Inter-library Cooperation, Standards and Management

10. ISCC urges the widest participation by the libraries of its member agencies in UNCAPS once the pilot project has been completed and determined to be a success in a review by the Task Force. UNCAPS will be placed into production at ICC, subject to the implementation of the inter-agency funding agreement recommended to OC in paragraph 4 above.

11. The Secretary of ISCC will officially notify all libraries within the United Nations system that, once in production at ICC, UNCAPS will:

(a) Reduce the need for original cataloguing by library staff;

(b) Facilitate public access to bibliographic records and cited publications via the World Wide Web;

(c) Require participating United Nations system libraries that have not adopted the Machine-Readable Catalogue (MARC)[1] format to make arrangements, either through commercial firms or within agencies' resources, to undertake data conversions to provide input to the shared system.

B. Task Force on Information Access and Dissemination

12. The Internet is to be the primary but not sole technology for electronic access and dissemination for external clients.

13. Each United Nations body should establish for itself an information dissemination policy that identifies all clients and classifies types of information intended for access and dissemination.

14. ISCC needs to create, promulgate and maintain system-wide standards and recommended (best) practices for electronic information access and dissemination.

15. United Nations bodies should adopt best practices for information access and dissemination, which are necessary to promote non-duplication and a consistent orientation.

16. There is a requirement for a single official and comprehensive United Nations system (multilingual) official Web site locator directing access to all United Nations information that is available electronically. All agencies are to be required to register their main Internet universal resource locators (URLs) with ISCC and to notify ISCC of any changes for reflection on the official locator.

17. Web sites of individual United Nations bodies should contain a link, preferably on the home page or main URL, to the official Web site locator so as

to encourage wide navigability and knowledge of where the official home page for the United Nations system as a whole is located also and to provide easy access to other United Nations system information sources.

18. Common searching and indexing mechanisms are required. United Nations standard subject-searching mechanisms should be used, commencing within the 1998-1999 biennium.

C. Task Force on Document Management Technology

19. The Food and Agriculture Organization of the United Nations (FAO) has been selected as the lead agency, subject to confirmation by FAO management. The approach recommended in the interim report has been accepted. However, there will be no necessity for pilot projects, and the Task Force may be continued - subject to budget approval - beyond the current biennium.

20. The Chairperson of the Task Force, in conjunction with the Chairperson of the Task Force on Inter-library Cooperation, Standards and Management, should estimate how much of the projected levels of information retrieval from the shared facilities of the United Nations system are expected to be attributable to inter-agency sharing and how much to public access.

D. Task Force on Information Management and Standards

21. An ISCC working group on Internet security should be set up, which could also be charged with Internet domain naming for the United Nations system.

22. The ISCC secretariat should implement at ICC a restricted Web site, available only to ISCC focal points under password control, to contain information on desktop migration.

23. ISCC members should be encouraged to share information about client server projects and associated external consultants, which would be useful for allowing other members to gain experience in starting projects and choosing consultants.

24. Taking into account the work of the Inter-agency Telecommunication Coordination Group, the Task Force should develop a set of recommended (best) practices on electronic conferencing. The initial priority should be video conferencing, for which task a consultant could be retained.

25. There is a general view that site licensing is important. Apart from the gathering of hard data, actual negotiating teams should be formed, as the need arises.

26. The Chairperson of the Task Force has been requested to write to OC concerning the creation of a standing committee on classification in order to review and amend its outdated scheme and provide a solid basis on which ISCC may develop its detailed recommended practices on access and dissemination in a harmonized manner, specifically for the subject search mechanisms.

E. Proposed budget outline

27. The budget will be revised along the lines of the consensus reached at the fourth session (see also sect. I above).

28. The revised draft document will be recirculated to ISCC focal points by electronic means before the formal approval process begins.

F. Appointment of the Secretary of the Committee for 1997-1999

29. The Committee unanimously expressed its highest satisfaction with the services of its current Secretary, Mr. John Northcut, whose term will end in May 1997.

30. The Committee also unanimously decided to appoint Mr. Northcut for a second term as Secretary. It considered the fact that information systems/information technology will play an increasingly important role in United Nations system reform efforts, and that Economic and Social Council members are becoming more vocal in their demands for information resources.

31. For those reasons, and also because the Chairperson of the Committee is in New York and because personal constraints would hinder Mr. Northcut from accepting a second term as Secretary at Geneva, the Committee requests the Organizational Committee to consider favourably a temporary relocation of the ISCC secretariat to New York. It is assumed that such a move will be cost-neutral and will certainly save all costs related to the identification and selection of a suitable replacement. The Committee also places a high value on continuity in the ISCC secretariat, which cannot be guaranteed if Mr. Northcut ends his secondment.

32. The ISCC Chairperson has been requested to approach the Organizational Committee to obtain an early decision on that matter.

G. Other business

33. There will be increased reliance on video conferencing and electronic discussion groups.

34. The Committee agreed that the Task Force on Information Access and Dissemination has completed its work, and that the Task Force on Expansion of Internet Services will commence its activities.

III. SUMMARY OF DISCUSSIONS

A. Task Force on Inter-library Cooperation, Standards and Management

35. The Chairperson of the Task Force, Mrs. Eleanor Frierson (International Labour Organization (ILO)) briefed ISCC on the work of the Task Force.

36. The emphasis of the work of the Task Force had been on content rather than information technology in itself. United Nations system libraries feel that they have quality collections of materials to offer, with some agencies even having small collections of full text already in electronic form.

37. The background of the task force had been that initial surveys of United Nations libraries had indicated that there were a large number of tasks with respect to inter-library cooperation that could be undertaken. It had been necessary to set priorities and to concentrate some initial Task Force efforts on common standards that were needed but lacking within the United Nations system.

38. It was known that there were in excess of 120 libraries within the United Nations system doing original cataloguing. To attempt to rationalize such work, the Task Force had had to look into data standards. An early focus was on use of the international standard known as MARC, which had already been endorsed.

39. It had been determined by the Task Force that it was possible to build a shared database that could be used to provide:

(a) A cataloguer's view;

(b) A public view.

The cataloguer's view would enable libraries to reduce the amount of original cataloguing by providing access to cataloguing already done at other libraries. The public view would be one element enabling the United Nations system to respond to the various Council resolutions on easy, unencumbered access.

40. The resulting system, however, must be placed into a continuum, which in the view of the Task Force, meant making the system ever more contemporary, with eventual links to document management, Internet Web sites and other electronic materials. For that purpose, library staff had skills that could be contributed to enhancing access to bibliographic records. A feasible goal would be to have in place in three to five years a point of access in any one United Nations system library to the combined collections of the entire system. Future versions of the system could be enhanced to provide maps, slides, video clips, audio recordings, etc.

41. It had been decided by the Task Force that the SiteSearch system met United Nations system requirements. Using SiteSearch, it would be possible to:

(a) Create and maintain databases;

(b) Do sophisticated indexing;

(c) Perform searching on bibliographic records;

(d) Employ a Web interface.

42. The demonstration system, which ISCC viewed, had taken four days to install at ICC, thanks to the dedication of the ICC staff and ISCC consultants involved; similar sites were known to have taken four months to install. The demonstrator, Mr. Ed Kazlauskas, reviewed the background before undertaking to show the specifics of the system.

43. Sample searches were shown, involving subject searching, displaying results and then sending results by electronic mail (e-mail) to a chosen address. The ability to refine searches was also demonstrated, as was the ability to use filters by date, library name, etc. Other system features were the browsing capability and on-line help functions.

44. In the ensuing question period, it was clarified that, in this implementation, the Web browser provided connectivity to an on-line database and not to Hypertext Markup Language-based documents, which represented an advance over many Web sites within the United Nations system.

45. It was pointed out that libraries would need the MARC format to participate in the system, and there might be a need to convert. For some, that would be easy but not trivial; for others, particularly those with proprietary formats and/or manual card catalogues, conversion would be a significant undertaking.

46. Arguments for joining were the ability to guide clients on-line to depository libraries, the elimination of duplicate cataloguing and possible on-line links to sales systems and full-text documents. ISCC therefore decided to endorse the Task Force recommendations on the understanding that any resulting production system would:

(a) Only be implemented if a critical mass of United Nations libraries were committed to participation after a trial period. The Task Force should determine the level of such commitment and report back for discussion and recommendation to ISCC;

(b) Be placed into service at the ICC.

47. The Task Force should look into providing additional information on cost savings as an incentive to join the scheme, and circulate such information electronically to all ISCC focal points in the coming months.

48. The International Fund for Agricultural Development (IFAD) agreed to join the membership of the Task Force. It was also agreed that demonstrations at additional agencies, including North American-based ones, would be organized.

B. Task Force on Information Access and Dissemination

49. The Chairperson of the Task Force, Mrs. Joyce Amenta (formerly of the International Atomic Energy Agency (IAEA), currently at the United Nations) opened her presentation of the final report of the Task Force by reiterating that a major purpose of the Task Force was to respond to Council resolutions on easy, economical, and unhindered access to United Nations information.

50. The original focus and objectives of the Task Force had concerned information management issues with respect to electronic information. Since member agencies at that time had varying levels of capability with respect to the Internet, the emphasis on X.500 as an electronic information management tool had been set aside, and information access and dissemination via the Internet had become the primary focus.

51. The Task Force had developed four products:

(a) The Official Web site locator for the United Nations system;

(b) A report on the use of X.500 technology in the World Bank;

(c) A prototype search engine to retrieve indexed information from the United Nations Web site locator;

(d) A model policy on information access and dissemination as a guideline for each agency to adapt and adopt. The model policy covered issues that could be expected to stand the test of time and specific issues related to Web publishing. Further work on best practices was still needed.

52. In particular, the Web site locator would provide a systematic method for access to all sites within the system from any site, provided agencies included hyperlinks on their own home pages. It was clarified that approximately one third of agencies had already provided such a hyperlink without waiting for the Task Force recommendation to be adopted by ISCC, and another third provided one on subsidiary pages on their Web site.

53. In the ensuing discussion, exchanges of experiences were provided on the Web site locator. It was felt that the map currently accessible at the United Nations Headquarters site could be added as a hyperlink to the locator.

54. With respect to model policy, greater recognition might be given to the role of data owners, data custodians and data disseminators in setting policy. One agency already had a procedure, which could be made available to other agencies. ISCC agreed to implement information access and dissemination policy principles at the agency level.

55. As to X.500, further work needed to be done, which could perhaps be assumed by a follow-on Task Force, as suggested by the Task Force on Information Access and Dissemination, or by another Task Force.

56. There followed a demonstration of the search engine, the United Nations International Organizations Network Search (UNIONS), introduced by

Mr. Stephen Geis (International Telecommunication Union (ITU)) and presented by Mr. Paul Lindner (ITU). UNIONS was an overarching product that provided agencies with the ability to participate in the recommended system-wide search engine and still have individual search engines.

57. The ease of use and ease of administration of the search engine was emphasized. It was pointed out that search results were at times imprecise but enabled users to target further searches among a restricted number of sites. What was indexed was generally the full text of the participating Web sites, although meta-data-based indexes could be searched, where available. The search engine did not rely on bibliographic records but was a meta-index of other indices within the individual agencies.

58. The advantage for the user was to be able to issue one search command that would return results from multiple sites throughout the United Nations system.

59. It was proposed that follow-up demonstrations be held to further refine the prototype, encourage additional United Nations agency Web sites to participate in the prototype, and have ISCC consider as a standard that all United Nations system Internet resources be indexed by a system that had a satisfactory interface with UNIONS. ITU was directed to lead the continuation of those efforts.

60. ISCC decided that the Task Force recommendations would be modified based on the discussion and adopted as set forth in sections I and II above.

C. Video conference with the ad hoc open-ended working group convened by the Economic and Social Council

61. A video conference with New York resulted in a briefing on progress in New York and at Geneva and Vienna on mission connectivity to the Internet, capabilities for missions to build their own Web sites and the training of mission staff.

62. The New York attendees were informed about the ISCC products under development that had been demonstrated at the ISCC meeting, namely, UNCAPS and UNIONS.

63. It was proposed to hold demonstrations of those two products on 18 November 1996 or a suitable alternative date to be arranged, either in person in New York or by video conference. The New York group was informed that those products were in the prototype phase and not yet in production, but that essential feedback was needed from the diplomatic community to ensure that what was being provided met the Council's demand for easy, unencumbered access.

64. For communications with the diplomatic community in New York, the relevant e-mail addresses are:

(a) uniswg@undp.org for the working group;

(b) missions@undp.org for the 114 missions that have Internet e-mail.

D. Task Force on Document Management Technology

65. Mrs. Patty Hamsher (World Bank), on behalf of the Chairperson of the Task Force, presented its interim report.

66. She briefed ISCC on the background of the Task Force and its original terms of reference. It was felt important to point out that in the discussions of the Task Force, a document had been defined as "a bounded whole comprising a collection of information objects that can be managed as a unit". That definition covered electronic documents and differed from the traditional definition of a document within the United Nations system.

67. Important points from the consultant's report were reviewed. No agency of the United Nations system currently appeared to be managing all its electronic documents in a comprehensive way. Partial solutions existed, but electronic documents were not treated as official records in enough cases.

68. Other issues were the records value of documents, the fact that no ready-made solution existed, and that there was a requirement for a harmonized set of high-level requirements, some of which had already been defined by the Task Force.

69. The three dimensions of document management were covered: business processes, information object types and stages in electronic document management, including an explanation of each. The important point made was that it was the business processes that should be the driver, setting priorities for how to implement document management; that is, by mapping the information object types and the stages to specific business processes, a strategy should emerge.

70. As a result of the most recent Task Force deliberations, it was proposed to produce:

(a) An executive report;

(b) Strategies for implementing document management;

(c) Harmonized views on high-level requirements.

71. The Task Force asked for ISCC to concur with the approach being taken and undertook to provide a fuller report at the fifth session of ISCC.

72. In the ensuing discussion, ISCC felt that the greatest difficulty might be identifying business processes, but that once that was done, attention should also be given to clearly identifying expected productivity gains and costs versus benefits.

73. In the ensuing discussion, views were exchanged on whether a pilot project should be organized; whether the approach taken should be to concentrate on information-sharing; how best to cater for meta-data; the importance of including information delivery services via the World Wide Web (on the Internet)

in any strategies to be developed; and the importance of separating content and the need for indexation from any specific software technology being employed.

74. Several agencies reported on their own experience to date with coming to grips with the challenge of document management.

75. ISCC concurred with the overall approach but decided that pilot projects should not be pursued. The concentration would be on developing the revised Task Force products for ISCC consideration and possible forwarding for ACC endorsement under the Committee's terms of reference, which called for it to provide advice on strategic direction.

76. FAO agreed to be the lead agency, effective immediately, subject to confirmation by FAO management. It was suggested that the Task Force lead an Internet discussion group open to all agencies, and that the consultant be retained to synthesize and bring to a conclusion the results of their discussion, subject to her availability.

E. Task Force on Information Management and Standards

77. The Secretary of ISCC presented the report of the Task Force on behalf of the Chairperson, Ms. Kerstin Leitner (UNDP).

78. The presentation began by advising ISCC that the Task Force had completed its work to date by video conference and the use of the e-mail list server facility.

79. The terms of reference of the Task Force are to review broadly where standards are recommended. Very early on, it was decided not to recommend any standardization on specific commercial products, and that, in fact, that would be undesirable. It was also felt that the Task Force should concentrate on only one or two areas. A consensus was reached that one area should be to continue the momentum for and expand reliance on the use of the Internet; the second area would be the introduction of new technologies with three sub-areas (see para. 81 below).

80. With respect to the Internet, there were a host of issues related to information management that could not be covered in a Task Force whose mandate was for a broad review. Therefore, detailed issues would be left to other task forces and working groups. However, three areas were of relative importance and could be completed quickly in a broad review: a contents model; a register of the expanded Internet services that could be provided; and the spawning of a working group on Internet security, which might also include domain naming issues.

81. With respect to new technologies, the three sub-areas covered were migration of the desktop, client servers and video conferencing. With respect to migration, the approach would be to share information on strategies and costs. It could be possible to collect hard data on volumes that might obtain throughout the United Nations system for the purpose of negotiating site licences. One option explored was to make the hard data available to a

negotiating team, which should include ICC, an ISCC focal point and a senior official from a procurement department.

82. With respect to client servers, again the emphasis would be on information-sharing rather than imposing a standard. It was proposed that information about projects and external consultants who had worked on them that were considered to be successful be made available on a private Web site open only to ISCC focal points.

83. With respect to video conferencing, the focus would not be on the technology but the use to which it would be put.

84. There followed an exchange of views on the approach taken by the Task Force and the products proposed. There was a general view that site licensing was important. Apart from the gathering of hard data, actual negotiating teams should be formed as the need arose.

85. Apart from the areas identified by the Task Force, e-mail was mentioned as an area in which some attention to standardization might be required. One approach might be to develop clusters of agencies with similar requirements and the need for easy exchange of e-mail, rather than try to identify a system-wide solution.

86. It was also pointed out that ISCC would need input on standard subject search mechanisms for increased reliance on the Internet, since the cataloguing and indexing of Web information would become a major effort.

87. Several questions were raised concerning the proposed working group on Internet security.

88. The Committee also felt that the term "video conferencing" should be broadened to "electronic conferencing", but that the initial focus under the topic should, in fact, be video conferencing.

89. At the close of the discussion, ISCC agreed to the recommendations of the Task Force on Information Management and Standards, as detailed in section II above, and also recommended that the Chairperson contact OC regarding the establishment of a standing committee on classification.

F. Demonstration of Information Systems Applications of United Nations Organizations

90. The Secretary introduced the topic by explaining that the penultimate item in the terms of reference of ISCC was to provide an electronic repository on information system developments within the United Nations system.

91. ITU had been selected to develop a small application to provide the repository. A demonstration of the software followed, with an explanation that once the database had been populated it would be relatively easy to consult the database and to add/delete/modify records.

92. ISCC agreed that the application should be implemented as a restricted Web site, available only to ISCC focal points. The ISCC secretariat would work with agencies initially on a case-by-case basis to populate the database.

93. Agencies were encouraged by the Chairperson to designate a staff member within the agency to provide timely updates. The Secretary would undertake to provide suggestions for limiting the input to systems of potential common interest.

G. Proposed work programme and budget for the 1998-1999 biennium

94. The proposed work programme was presented by the Secretary of ISCC.

95. On a technical level, the United Nation budget office had advised that the technical parameters would not be available until December 1996. Therefore, the budget had been prepared, using as a basis the technical parameters for the budget of the current biennium (1996-1997).

96. The Consultative Committee on Administrative Questions (Financial and Budgetary Questions) (CCAQ(FB)) had recommended to ACC that the target budgets for 1996-1997, as communicated in February 1996 by the Under-Secretary-General for Administration and Management of the United Nations Secretariat, be used as the base for budgets for 1998-1999. For ISCC, the amount of the target budget (at a maximum) was therefore US$ 1,618,500.

97. The document was still in draft form since budget approval procedures for the subsidiary machinery of ACC required that technical clearance be obtained first from the United Nations budget office. Since that will not be possible until December 1996 at the earliest, the following procedure would be followed with respect to ISCC:

(a) Once the United Nations budget office had communicated the technical parameters, adjusted drafting and technical clearance would be requested from the United Nations budget office (December 1996);

(b) Approval from ISCC by electronic correspondence (January 1997);

(c) Submission to CCAQ(FB) (in time for its February 1997 meeting).

98. Turning to the substance of the work programme, the Secretary explained that it had been proposed to have an overarching strategy for the 1998-1999 biennium that focuses on harnessing technology to find information for information clients both within secretariats and in Member States, while maintaining the momentum to use technology to produce information with the value added by the various organizations.

99. In this regard, most task forces and working groups would have elements of their work programmes related to that overarching strategy.

100. It was proposed to continue to fund Task Force activities to be performed by consultants, but working groups would normally be expected to use existing resources. Meetings would be increasingly done by video conference, which would mean that task forces and working groups would have to meet more often for short conferences of one or two hours duration. Sitting meetings would be held on occasions when major decisions were to be taken.

101. In its consideration of the draft of the work programme, the Committee:

(a) Accepted as a guideline, with certain modifications, a worksheet developed by a subgroup;

(b) Agreed that, after consultation with OC, the Secretary would consult further with task force chairpersons to get more detailed information on the resources required, including in the current biennium;

(c) Added Global Information Infrastructure to an objective with a "technology watch" as an output;

(d) Considered that there needed to be a different inter-agency funding mechanism for which the Secretary would consult OC;

(e) Requested the Secretary to check the procurement rules to verify the status of agencies as suppliers and commercial entities versus the ICC;

(f) Asked ICC to report at future meetings on its services supplied to ISCC;

(g) Noted that the Secretary would consult task force chairpersons regarding indicative time limits for task forces;

(h) Decided to have a report made available on budget utilization.

102. The work programme should be related to an overarching theme and a close link established between task forces and working groups in connection with that theme. It was felt necessary to develop a matrix focused more on outputs than activities. The final proposal would be circulated by electronic means before being submitted to ACC.

103. Therefore, ISCC considered that its future activities should be developed under an overarching strategy that focuses on enhancing the use of information technology to improve access to United Nations system information for United Nations bodies and Member States, and to facilitate the dissemination of information to its users. To that end, ISCC recommended that it organize its 1998-1999 work in a manner that would focus its activities on three main areas: information infrastructure, the improvement of access to information and the modernization of information dissemination.

H. Status of the Internet in Africa

104. ISCC next conducted a video conference with experts at Washington, D.C., from the World Bank and the United States National Aeronautics and Space Administration.

105. A briefing was given on current status and trends, including the fact that most problems in extending access were neither technical nor economic.

106. It was agreed that participation by all agencies, as appropriate to their business needs, would be the best course of action.

107. The World Bank issued an open invitation to all member agencies of ISCC to participate in future meetings concerning that subject matter.

I. Telecommunications

108. The Committee heard an oral briefing on the work of the Inter-agency Telecommunication Coordination Group (IATCG), which was calling for the extension of the United Nations Telecommunication Network for use by the specialized agencies. Mr. Colin Buffam (UNHCR) briefed the Committee on the work of IATCG, including the key areas of its decisions and technical details. He advised that the next meeting would be held on 12 and 13 November 1996, at Washington, D.C., and would be hosted by the World Bank.

109. Mr. Luis Rodrigues (ITU) briefed the Committee on the Geneva Metropolitan Area Network. The four main areas addressed were:

(a) Project overview;

(b) Asynchronous transfer mode;

(c) Applications;

(d) Perspectives for evolution.

J. Draft report of the Joint Inspection Unit

110. A draft of the forthcoming JIU report entitled "Use of information systems and information technology in the United Nations system" was presented to ISCC for discussion. The representatives of JIU were present at the meeting.

111. Substantial feedback was provided suggesting that JIU refocus on different issues, which members found of particular interest and importance to future and current directions within the United Nations system.

K. Information on individual agency activities

112. Attendees provided oral briefings on activities in the various agencies, of relevance to the terms of reference and the work programme of ISCC.

L. Appointment of the next Committee Secretary

113. Meeting in closed session, ISCC turned to the matter of the appointment of its next Secretary (see paras. 8 and 29-32 above).

M. Fifth session of the Committee

114. The Committee determined when and where to hold its fifth session (see para. 9 above).

N. Other business

115. With respect to oral presentations by ISCC focal points at future meetings, it was considered preferable to adopt a different approach; for example, a session on best practices, with one or more facilitators, could be arranged. In addition, there could be an emphasis on results-oriented demonstrations of particularly attractive projects. Cross-fertilization was also seen as important, with increased attention paid to information-sharing among coordination bodies.

116. Concerning membership of the various task forces, the following changes were noted:

(a) The Task Force on Inter-library Cooperation, Standards and Management would retain its current membership, plus IFAD and minus WHO;

(b) The Task Force on Document Management Technology would have FAO as the lead agency, subject to management concurrence, plus UNHCR as a member (UNDP would revert from being a lead agency to a member);

(c) The Working Group on Internet Security, lead agency to be determined, would have as members WHO, UNDP, the United Nations Educational, Scientific and Cultural Organization, IAEA, the United Nations International Drug Control Programme, the International Bank for Reconstruction and Development and ITU;

(d) The Task Force on Expansion of Internet Services would have IAEA as lead agency, with the ILO, ITU and WHO as members.

117. In addition to increased reliance on video conferencing, the Committee would include electronic discussion groups as one of its working methods.

118. It was noted that meeting arrangements for the fourth session had been well organized; compliments were expressed to the ISCC secretariat.

Notes

[1] For additional information on MARC, contact http://portico.bl.uk/nbs/pubs/srs2.html. In fact, MARC is neither a catalogue nor a method of cataloguing but a standard format for representing information in a catalogue record in machine-readable form, i.e., for computer processing. MARC was primarily developed to meet the needs of libraries but has since been adopted by the wider information community as a convenient way of storing and exchanging records.

Annex I

AGENDA AND DOCUMENTATION OF THE FOURTH SESSION OF ISCC

		Documentation
1.	Opening remarks, information on UNHCR facilities and introduction of (new) attendees.	-
2.	Adoption of the agenda.	ACC/1996/ISCC/3
3.	Task Force on Inter-library Cooperation, Standards and Management:	ACC/1996/ISCC/4
	(a) Presentation of the report by the Chairperson of the Task Force;	
	(b) Demonstration of the United Nations Shared Cataloguing Database by the Task Force Consultant;	
	(c) Question period;	
	(d) Consideration of the Task Force recommendations.	
4.	Commencement of the oral exchange of information on individual agency activities (if time remaining before lunch).	-
5.	Task Force on Information Access and Dissemination:	ACC/1996/ISCC/2 and annexes 1-4
	(a) Presentation of the Final Report by the Chairperson of the Task Force;	
	(b) Demonstration of the search engine product by ITU and the Task Force Consultant;	
	(c) Question period;	
	(d) Consideration of the Task Force recommendations;	
	(e) Formation of a follow-on task force (assuming adoption of the recommendations), to be known provisionally as the Task Force on Information Disciplines in an Electronic Age, and selection of lead and member agencies.	
6.	Economic and Social Council resolution: video conference with the Chairman of the Council.	E/1996/L.27
7.	Commencement/continuation of the oral exchange of information on individual agency activities.	-

	Documentation
8. Task Force on Document Management Technology:	ACC/1996/ISCC/6 and annex 1
(a) Presentation of the interim report by a representative of the Chairperson of the Task Force;	
(b) Question period;	
(c) Consideration of the Task Force recommendations.	
9. Task Force on Information Management and Standards:	ACC/1996/ISCC/5 and annexes 1-3 (ISM/SYNERGY/1, 2 and 3)
(a) Presentation of the report by the Chairperson of the Task Force;	
(b) Question period;	
(c) Consideration of the Task Force recommendations;	
(d) Consideration of the formation of the Working Group on Internet Security and Domain Naming.	
10. Demonstration of Information Systems Applications of United Nations Organizations: a repository of United Nations system application systems, both existing and being prepared.[a]	-
11. Continuation of the oral exchange of information on individual agency activities (if time remaining before lunch).	-
12. Proposed work programme and budget for the 1998-1999 biennium:	ACC/1996/ISCC/7
(a) Presentation by the Secretary of ISCC;	
(b) Question period;	
(c) Approval of the work programme and budget, with amendments where needed.	
13. Continuation of the oral exchange of information on individual agency activities.	-
14. Oral presentation on the status of the Internet in Africa.	-

		Documentation
15.	Oral presentations on telecommunications:	-
	(a) Inter-agency Telecommunication Coordination Group;	
	(b) Geneva Metropolitan Area Network.	
16.	Draft JIU report.	-
17.	Completion of the oral exchange of information on individual agency activities.	-
18.	Closed session (ISCC members only): appointment of the Secretary of ISCC for 1997-1999.[b]	-
19.	Dates and venue for the fifth session of ISCC.	-
20.	Other business.	-
21.	Adoption of the report.	ACC/1996/ISCC/9

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[a] ISCC focal points will recall that the terms of reference of ISCC are, inter alia, to provide an electronic repository on information system developments within the United Nations system. The system that ITU is developing for ISCC, which will be demonstrated, will be the central component of that repository. The CCAQ membership has also indicated an interest in gaining access to a repository showing both available systems and systems under preparation within the various United Nations bodies.

[b] "With regard to jointly financed secretariats, in considering future appointments to posts of secretaries of ACC subsidiary bodies, the desirability should be borne in mind of appointing to those posts serving staff of United Nations agencies and/or organizations who would be seconded to work with the particular ACC subsidiary body for two years, with a possibility of one extension of a further two years. It is expected that such staff would be reabsorbed into his/her agency/organization upon completion of the assignment. Exceptions may be authorized on presentation of specific justification to the higher body to which the concerned subsidiary body reports.

Generally, the office of chairperson and secretary should not be filled by staff serving in the same agency/organization and neither should the terms of office coincide, so that a degree of continuity may be ensured."

Taken from "Compendium of decisions on the operation of the Administrative Committee on Coordination and its subsidiary machinery" (ACC/1996/INF/1), unedited version, 1 April 1996.

Annex II

LIST OF PARTICIPANTS*

Chairperson: Ms. Kerstin Leitner*, Director
Division of Administrative and
Information Services,
UNDP
One United Nations Plaza
New York, NY 10017
E-mail: kerstin.leitner@undp.org
Fax: +1 212/906 6663
Tel: +1 212/906 5504/5110

UNITED NATIONS Ms. Joyce Amenta*, Director
Electronic Services Division/OCSS/DAM
United Nations
New York, NY 10017
E-mail: amenta@un.org
Fax: +1 212/963 0335
Tel: +1 212/963 1656

UNICEF Mr. Anthony Bloomberg*, Director
Information Resources Management Office
UNICEF
3 United Nations Plaza
New York, NY 10017
E-mail: abloomberg@unicef.org
Fax: +1 212/303 7922
Tel: +1 212/326 7655

UNCTAD Mr. Paul Robertson, Chief
Information Technology Support
UNCTAD
Palais des Nations
1211 Geneva 10
E-mail: paul.robertson@unctad.org
Fax: +41 22/907 0051
Tel: +41 22/907 5921

UNDP (see Chairperson)

UNEP	Mr. Arthur L. Dahl, Coordinator United Nations System-wide Earthwatch Deputy Assistant Executive Director Division of Environment Information and Assessment UNEP Geneva Executive Centre Case postale 356 CH 1219 Chatelaine E-mail: adahl@unep.ch Fax: +41 22/979 3471 Tel: +41 22/979 9207
UNFPA	Mr. Gilles Saint-Pierre*, Chief Management Information Systems Branch UNFPA 220 East 42nd Street New York, NY 10017 E-mail: stpierre@unfpa.org Fax: +1 212/297 4914 Tel: +1 212/297 5962
UNDCP	Mr. Anders Ole Norsker*, Information Manager UNDCP Vienna International Centre PO Box 500 A-1400 Vienna E-mail: anorsker@undcp.un.or.at Fax: +43 1/21345 5824 Tel: +43 1/21345 4160
UNHCR	Mr. Anthony Salmon*, Chief Information and Communications Systems Section UNHCR Case postale 2500 CH 1211 Genève 2 dépot E-mail: salmon@unhcr.ch Fax: +41 22/739 8796 Tel: +41 22/739 8083 Ms. Ann Newhall, Head Archives, Records and Communications Unit E-mail: newhall@unhcr.ch Fax: +41 22/739 7365 Tel: +41 22/739 8058

ITC

Mr. Bernard Ancel*, Chief
Trade Information Service
ITC
54-56 rue de Montbrillant
CH 1202 Geneva
E-mail: ancel@intracen.org
Fax: +41 22/730 05 78
Tel: +41 22/730 02 76

Mr. E. Decsey, Head
Trade Documentation Centre
E-mail: decsey@intracen.org
Fax: +41 22/730 08 02
Tel: +41 22/730 02 33

Mr. Michel Borgeon
Senior Trade Information Officer
E-mail: borgeon@intracen.org
Fax: +41 22/733 44 39
Tel: +41 22/730 03 85

ILO

Ms. Eleanor Frierson*, Chief
Central Library and Documentation Bureau
ILO
4 route des Morillons
CH 1211 Geneva 22
E-mail: frierson@ilo.org
Fax: +41 22/799 6516 (798 8685 after office hours)
Tel: +41 22/799 6092

Mr. Nadim Habra, Chief
Information Technology and Communications Bureau
E-mail: habra@ilo.org
Fax: +41 22/799 7465
Tel: +41 22/799 7975

FAO

Mr. G. Pace*, Director
Computer Services Centre
FAO
Viale delle Terme di Caracalla
00100 Rome
E-mail: giuseppe.pace@fao.org
Fax: +39 6/5225 6204
Tel: +39 6/5225 5629

UNESCO	Mme Denise Pélissier, Chief UNESCO Clearing House 7 Place de Fontenoy 75352 Paris 07 SP E-mail: d.pelissier@unesco.org Fax: +33 1/456 73 998 33 1/456 80 390 Tel: +33 1/456 82 446
WHO	Mr. Denis G. Aitken, Assistant Director-General WHO 20 ave Appia CH 1211 Geneva 27 E-mail: aitkend@who.ch Fax: +41 22/791 4999 Tel: +41 22/791 2311
	Mr. K. Saita*, Director Division of Information System Management E-mail: saitak@who.ch Fax: +41 22/791 0746 Tel: +41 22/791 2528
	Mr. Dave Berg Informatics Coordination E-mail: bergd@who.ch Fax: +41 22/791 48 40 Tel: +41 22/791 24 37
	Ms. Barbara L. Busca, Chief User Support and Training Unit Division of Information System Management E-mail: buscab@who.ch Fax: +41 22/791 07 46 Tel: +41 22/791 28 71
	Ms. Yvonne Grandbois, Acting Chief WHO Library E-mail: grandboisy@who.ch Fax: +41 22/791 41 50 Tel: +41 22/791 20 81
World Bank	Ms. Patty Hamsher, Manager Information Operations World Bank 1818 H Street NW Washington, D.C. 20433 E-mail: phamsher@worldbank.org Fax: +1 202/522 2048 Tel: +1 202/473 2619

IMF

Mr. Robert Kline, Advisor
Bureau of Computing Services
IMF
700 19th Street NW
Washington, D.C. 20431
E-mail: rkline@imf.org
Fax: +1 202/623 9023
Tel: +1 202/623 7543

UPU

Mr. Akhilesh Mathur, Assistant Counsellor
Informatics and Database Section
UPU
Case postale 3000 Berne 15
E-mail: akhilesh.mathur@ib.upu.org
Fax: +41 31/350 3110
Tel: +41 31/350 3164

ITU

Mr. Stephen Geis
Information Technology
Management Support
Information Services Dept
ITU
E-mail: geis@itu.ch
Fax: +41 22/730 5337
Tel: +41 22/730 5008

WMO

Mr. David Hume*, Acting Chief
Information Systems Division
WMO
Case postale no 2300
CH 1211 Geneva 2
E-mail: hume_d@gateway.wmo.ch
Fax: +41 22/734 23 26
Tel: +41 22/730 83 35

Mr. Constant-Serge Bounda
Librarian
E-mail: bounda_c@gateway.wmo.ch
Fax: +41 22/734 23 26
Tel: +41 22/730 81 11

IMO

Mr. Newton Wright*, Head
Information Technology Section
IMO
4 Albert Embankment
London SE1 7SR
E-mail: nwright@imonw.demon.co.uk
Fax: +44 171 587 3210
Tel: +44 171 587 3216

WIPO	Mr. Paul Claus*, Senior Director-Adviser Computerization Division WIPO 34 chemin des Colombettes 1211 Geneva 20 E-mail: claus@wipo.org Fax: +41 22/733 54 28 Tel: +41 22/730 91 11
	Ms Mareile Langsdorff-Breitenbach Head of the Library E-mail: mareile.langsdorff@itu.ch Fax: +41 22/733 54 28 Tel: +41 22/730 93 90
IFAD	Mr. Massimo Aureli*, Officer-in-Charge Management Information Systems IFAD 107 via del Serafico 00142 Rome E-mail: m.aureli@ifad.org Fax: +39 6/504 3463 Tel: +39 6/5459 2230
IAEA	Mr. Jerry Barton*, Head NESI Computer User Liaison Section IAEA, Box 100 A-1400 Vienna E-mail: barton@nepo1.iaea.or.at Fax: +43 1/20607 22936 Tel: +43 1/2060 22936
WTO	Mr. Jean-Maurice Léger*, Director Statistics and Information Systems Division WTO Centre William Rappard rue de Lausanne 154 CH 1211 Geneva 21 E-mail: jean-maurice.leger@wto.org Fax: +41 22/739 5763 Tel: +41 22/929 5193
ICC	Mr. Edward Gelbstein, Director International Computing Centre Palais des Nations 1211 Geneva 10 E-mail: gelbstein@unicc.org Fax: +41 22/929 14 13 Tel: +41 22/929 14 01/4

Mr. Andreas Christoforides
Deputy Director
E-mail: christoforides@unicc.org
Fax: +41 22/929 14
Tel: +41 22/929 14 02/5

United Nations Joint Staff Pension Fund

Mr. Paul Dooley, Chief
Information Management Systems Section
United Nations Joint Staff Pension Fund
United Nations Secretariat, Room S 645
New York, NY 10017
E-mail: dooley@un.org
Fax: +1 212/963 3146
Tel: +1 212/963 0858

* * *

ISCC secretariat

John D. Northcut, Principal Officer/Secretary
ISCC
Palais des Nations (PS 2066)
1211 Geneva 10
E-mail: northcut@uniscc.org
Fax: +41 22/740 1269
Tel: +41 22/798 8591

Ms. Wendy Beaman
Fax: +41 22/740 1269
Tel: +41 22/798 8591

For agenda item 3, the meeting was joined by:

Mr. Edward Kazlauskas (ISCC Consultant)

For agenda items 5 and 10, the meeting was joined by:

Mr. Paul Lindner (ISCC Consultant)

For agenda item 15, the meeting was joined by:

Mr. Luis Rodrigues (ITU)

For agenda item 16, the meeting was joined by:

Mr. Andrzej Abarszewski (Joint Inspection Unit)
Mr. John Fox (Joint Inspection Unit)
Mr. Louis Dominique Ouedraogo (Joint Inspection Unit)
Mr. Dave Wilson (Joint Inspection Unit)

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[a] ISCC focal points are marked with an asterisk (*).

Annex III

MODEL POLICY STATEMENT ON PUBLISHING AND DISSEMINATING INFORMATION IN AN ELECTRONIC AGE[a]

INTRODUCTION

This model policy statement consists initially of two parts.

Section I, which covers issues of a general nature, sets out guidelines that can be expected to stand the test of time for some years to come. In particular, it emphasizes the importance of information and its dissemination in a contemporary environment characterized by the growing use of information technology. However, section I is not intended to focus on any particular technology since it is recognized that rapid change in this area is a fact of life.

Subsequent sections will deal with issues of relevance to particular technologies. They will be designed to be used as long as appropriate, and to be discarded or rewritten as technological change is introduced.

Section II (the first of these additional sections) covers Internet publishing issues posed by the growing use of the World Wide Web.

As the policy evolves, it will be extended to cover:

(a) All means and media, including electronic display, printed documents and publications, audio recordings, video tapes and data transmission;

(b) All repositories of information, examples of which are public and press information, electronic databases, library services, statistical information, documents and publications.

The purpose of the model is not only to provide a harmonized view of what policies are appropriate for United Nations organizations but also to enable individual agencies to adopt the policy or adapt it to their own needs. Some agencies may choose to issue such a policy statement as an administrative instruction or staff notice. Others may wish to use it to prepare a working paper for their governing body or for a steering committee within their agency administration. It is intended that this decision be left to each agency.

In due course, additional sections can also be prepared in order to include older technologies, either as part of the model policy or to meet the specific requirements of individual organizations. In this way, the policy will provide comprehensive coverage of the main aspects of information access and dissemination.

For example, an existing (or newly developed) general policy on the provision of material on CD-ROM could be added as a separate section.

As the model policy now stands, it is designed to serve as one building block of current relevance to an overall policy.

I. GENERAL ISSUES

1. The importance of information access

1.1 It is generally agreed that information resources are among the organization's most valuable assets and deserve careful management.

1.2 For many years, electronic technology has been used in the production of information. Since 1990, however, the growing importance of on-line electronic access to information, in accordance with the express wishes of member States, has been recognized.

1.3 The organization intends to make information available electronically and on-line on demand, using contemporary technology. That technology is expected to evolve and to change for the foreseeable future.

1.4 In some cases, material will need to be offered in both electronic and printed form. Other cases may require that only printed or electronic versions be offered. Where there is a statutory requirement to provide printed material, the governing body can be asked to agree to its replacement by electronic alternatives. Thus, a statutory requirement need not in itself be a hindrance to the transition to electronic media. What is more important is the current capability and preference of the target audience with regard to accessing information.

2. Aim of information dissemination policy

2.1 The aim of information dissemination policy is to facilitate the dissemination of an appropriate selection of material, by conventional or electronic means, based on the needs of the organization's target audience. It must be borne in mind that printed publications will continue to exist. However, in many cases, electronic versions are an attractive alternative to what have traditionally been printed documents. There will be a changing mix of electronic and printed matter during the forthcoming decades.

3. Information clients

3.1 In today's environment, information clients can be expected to include: officials of [member/contracting] States; the organization's governing [body/bodies]; staff of [missions/delegations]; other international organizations, including field projects related to technical cooperation; non-governmental organizations; the press and other media; academic institutions and libraries; business and industry, including financial institutions; independent institutions, including regional bodies; self-employed professionals, such as freelance translators; and the general public.

3.2 All of the above are among the organization's clients, with the exception of [list exceptions here or delete the last phrase in this sentence].

4. Classification of information

4.1 Information, regardless of the form in which it is stored (on paper and/or electronic media) or how it is disseminated, can be categorized as follows:

(a) PUBLIC, i.e., information that is available to all information clients with open access to encourage use;

(b) LIMITED but unsecured, i.e., information that is normally not of a sensitive nature but is of primary interest to a select number of individuals;

(c) RESTRICTED with secured access, i.e., information that is sensitive but nevertheless needs to be disseminated to authorized recipients.

4.2 A fourth category of information, CONFIDENTIAL, is not within the purview of this policy statement.

5. Responsibilities of information providers

5.1 Information providers within the organization can be characterized in different ways. Some are the authors of information. Others collect information, generally from [member/contracting] States, and publish it in an enhanced form. Still others compile and edit information from various sources.

5.2 The primary responsibility for making material available electronically lies with these information providers. In performing this function, they should conform with recommended (best) practices issued by the organization.

6. Editorial quality control

6.1 There are a number of advantages introduced by the editing of information for publication:

(a) Ensuring the accuracy of presentation of texts;

(b) Providing a consistent style and organizational image;

(c) Introducing language correction, particularly when authors are not writing in their native tongue;

(d) Raising the quality of contributions from compilers who have limited experience in presenting the results of their work in an accepted format;

(e) Maintaining international acceptability by, for example, avoiding discriminatory or offensive content;

(f) Ensuring that texts are understandable by readers whose first language is not the language of publication;

(g) Ensuring that texts are written, where warranted, at a level of complexity suited to those who are not specialists in the particular subject;

(h) Checking that publications effectively convey the message intended.

6.2 The above advantages apply equally to both traditional and electronic publications. Except in life-threatening emergencies, care should be taken not to bypass the editorial function in the endeavour to disseminate information rapidly.

7. Questions of intellectual property

7.1 In the sphere of information, issues related to intellectual property are of paramount importance.

7.2 The organization retains the copyright to all its published material. Specifically, the organization also retains the copyright to all information made available electronically, whether or not printed versions also exist.

7.3 Material should only be published by or at the request of the authorizing/originating office, i.e., the information provider.

7.4 Care should be taken not to duplicate extensively information that is already available in the same medium. In the case of electronic material, the use of hyperlinks makes duplication unnecessary.

7.5 If information becomes obsolete in the sense that it is no longer current or useful, it must be promptly removed from the production chain but should always be preserved in the archives of the organization.

7.6 Informal and unofficial material should not normally be published on-line; if it is, its unofficial status should be clearly indicated.

8. Confidential information

8.1 The policies set out in this statement do not apply to information that the organization deems to be confidential and/or relevant solely to the internal administration of the secretariat.

II. WORLD WIDE WEB PUBLISHING

1. Use of the World Wide Web

1.1 Internet users will increasingly expect the organization to provide information on the World Wide Web and other modern networking technologies as they appear. While electronic editions of certain material will become available, printed publications will continue to exist in line with demand. In addition, CD-ROM-based products have a client base that may not have or desire access to the Web.

1.2 The organization intends to make electronic material available on the Web to take advantage of the low-cost opportunities now open to it through the use of this Internet service, particularly in an international environment in which conventional distribution expenses are substantial. Until alternative technologies appear that warrant a change of approach, the Web will be the primary but not sole means by which a large volume of information will be made available on demand and on-line.

2. Web publishing

2.1 Many departments and offices in organizations of the United Nations system have started the process of Web publishing.

2.2 Staff involved in this activity need to be aware of the necessity, as with printed material, to maintain a high quality with regard to completeness and authenticity; consistency with and relevance to the approved work programme of the organization; timeliness, which should improve; coherence; clarity of presentation; and readability. In addition, staff must bear in mind ease of use by the organization's information clients and the need to select alternative media in cases in which Web dissemination is not the most appropriate choice.

2.3 With respect to Web publishing, a commitment must be made by a responsible manager who should be:

(a) Familiar with the technical capabilities of the Web;

(b) Responsive to user requirements and priorities for access in a prompt and efficient manner;

(c) Able to arrange training to enable staff to make the transition to the electronic environment.

However, primary responsibility for making documents available electronically will lie with information providers, working in conformity with recommended (best) practices.

2.4 Among best practices, the following are expected to be of initial importance:

(a) Avoiding trivial material by publishing only information with substance;

(b) Ensuring consistency with the (printed) publications strategy and practice of the organization.

2.5 Accordingly, [name of the office/division responsible within the secretariat] will be responsible for issuing specific instructions and promulgating recommended (best) practices in order to avoid confusion as the organization moves to an increasingly electronic environment, in particular by making information available on the Web. [Name of staff member and/or title of post] has been assigned to [supervise/coordinate] this undertaking on a [full-time/part-time] basis. [His/her] role will include actively seeking the

concurrence of originators so that accurate and timely material can be accessed and disseminated electronically via the Web.

2.6 In addition, [title of post] will be responsible for editing electronic material to ensure consistency with the organization's objectives and house style. The design of documents for the Web includes linkages to other documents, and thus differs from the design of conventional printed text. Such inherent design differences need to be taken into account and exploited to their best advantage.

3. Location of Web site

3.1 As is the case for the United Nations system in general, there are three options for the physical location of the organization's Web site. The computer facilities on its own premises or at other United Nations organizations can be used. The International Computing Centre is also available to house Web sites for any United Nations agency. Finally, today's market place has given rise to a number of commercial centres.

3.2 It has been determined that the organization's Web site will be located at [enter details of the agency's choice of location].

3.3 As a result of the new technical features offered by the Web, the organization will also serve as a gateway to all other United Nations agencies by including a prominent reference to the official Web site locator for the United Nations system (http://www.unsystem.org) on its own home page (main universal resource locator).

4. Web-related issues

4.1 Where authoritative on-line information exists in another agency and that agency has ensured its accuracy, the organization will not duplicate such information but will provide on-line access through hyperlinks for clients.

4.2 It is recognized that for various reasons, many individuals in developing States will not have access to the necessary technical infrastructure to use the electronic network. However, agencies responsible for technical cooperation in sustainable development [including the organization] are approaching this challenge. The situation is expected to improve progressively through such efforts as the Global Information Infrastructure initiative.

4.3 Whereas the active dissemination of printed material has required targeted mailings to individuals or institutions, dissemination through the Web will take the form of an on-line response to user queries. Where appropriate, a system will be installed to sign documents digitally so that users can verify their source and authenticity. Administrative procedures will be established, where needed, for affixing digital signatures.

4.4 The organization will initially give priority to making electronic information publicly available free of charge but will also reserve the right to provide information products for a fee via the Web.

4.5 The Web site will include an agreed copyright statement displayed prominently on all material in order to protect the organization's interests. In appropriate cases, the organization may grant permission for certain uses to specific clients or classes of clients, for example, to permit the reproduction of copyrighted material for educational purposes on a non-commercial basis or to enable on-line information to be displayed for private viewing.

5. Timing of Web implementation

5.1 It is expected that at least [enter number] years will be needed for substantially all existing material for which there is an electronic demand to be available via the Web. Once that point is reached, the continuing requirement will be to add fresh material and weed material no longer of use.

5.2 Initially, one priority in the use of the Web will be to publish dynamic (constantly changing) information that needs to be made available rapidly.

Notes

[a] Developed by the ISCC Task Force on Information Access and Dissemination for endorsement by ACC (to be adapted and adopted by ISCC member agencies).

[b] Adapted from those listed in a paper entitled "Maintaining editorial quality control in an electronic environment" (IAMLADP/1996/R.4), submitted by the International Atomic Energy Agency at the Inter-Agency Meeting on Language Arrangements, Documentation and Publications, Geneva, 24-27 June 1996.

UNITED NATIONS SYSTEM

ACC

Administrative Committee on Coordination

ACC/1996/19
31 January 1997

ENGLISH ONLY

INTER-AGENCY COMMITTEE ON
SUSTAINABLE DEVELOPMENT

REPORT OF THE ACC SUBCOMMITTEE ON WATER RESOURCES ON ITS SEVENTEENTH SESSION

(UNESCO headquarters, Paris, 9-11 October 1996)

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I. MATTERS BROUGHT TO THE ATTENTION OF THE INTER-AGENCY COMMITTEE ON SUSTAINABLE DEVELOPMENT

A. Measures to strengthen coordination

(Agenda item 5)

1. United Nations system

(Agenda item 5 (a))

1. In discussing possibilities for distributing information about activities of its member organizations, the members of the ACC Subcommittee on Water Resources expressed the view that the lack of detailed information on field-level activities of the various member organizations constituted a serious impediment to systematically making such information readily available to each other. The matter was discussed further in the context of establishing a database under agenda item 10 (a) (see paras. 24-26 below).

2. Global Water Partnership

(Agenda item 5 (b))

2. The representative of the United Nations Development Programme (UNDP) informed the Subcommittee of the official launching of the Global Water Partnership at Stockholm on 9 August 1996. The Global Water Partnership is an international mechanism that aims to translate the consensus on water management into responsive coherent services for developing countries, emphasizing local implementation. The Partnership will thus support integrated water resources management programmes by collaborating with Governments and existing networks, as well as developing new arrangements, encouraging Governments, aid agencies and other stakeholders to adopt consistent and mutually complementary policies and programmes, and sharing information and experience. The Partnership will also develop solutions to common problems within integrated water resources management, suggest policies and practices based on those solutions, and help match needs to available resources.

3. The Global Water Partnership is co-sponsored by UNDP, the Swedish International Development Cooperation Agency and the World Bank, and is governed by a Consultative Group of representatives from external support agencies, developing countries, the private sector and academic institutions. It receives technical advice from a Technical Advisory Committee, and its secretariat, headed by an Executive Secretary, is located at Stockholm.

4. The members of the Subcommittee stressed the importance of the Global Water Partnership as a means of implementing, at the field level, the recommendations of the Commission at its fifth session and of the General Assembly at its special session, stemming from the comprehensive assessment of the freshwater resources of the world.

5. It was agreed that the Chief of the Water Resources Development and Management Service of the Food and Agriculture Organization of the United Nations (FAO) or the Chairman of the Subcommittee, ex officio, would represent the Subcommittee at the meetings of the Interim Committee of the Global Water Partnership.

3. Organizations outside the United Nations system

(Agenda item 5 (c))

6. The members of the Subcommittee welcomed Mr. Guy Lemoigne, Executive Director of the recently established World Water Council, who briefed the Subcommittee on the objectives and membership of the Council, as well as on its planned activities. He stated that membership was open to national and international institutions, government agencies, and private and public organizations and firms, as well as non-governmental organizations and academic and scientific organizations. He expressed the hope that organizations of the United Nations system would join the Council, and looked forward to a close collaboration between the members of the Subcommittee and Council. He noted that the Council would be engaged in the preparation of a long-term policy on water, life and the environment. In addition, the Council was in the process of organizing The Morocco Forum: Water Resources Management in the Next Century, to be convened by the Government of Morocco at Marrakesh on 22 March 1997.

7. The members of the Subcommittee expressed great interest in cooperating with the Council in the preparation of the Conference as a part of the observance of World Water Day, and agreed to explore the matter further. It was noted that the representatives of the United Nations Educational, Scientific and Cultural Organization (UNESCO), UNDP, the World Bank and the United Nations Environment Programme (UNEP) are currently members of the Interim Board of Governors of the Council, and that they would provide the link for further consultations.

8. The members of the Subcommittee stressed the increasing importance of holding periodic consultations with the World Water Council, The Water Supply and Sanitation Collaborative Council and major international non-governmental organizations for the monitoring and implementation of chapter 18 of Agenda 21. They recommended that future sessions of the Subcommittee be combined with an informal meeting of the Subcommittee with the representatives of the two councils.

B. Initiatives for joint action: public information, with particular reference to World Water Day

(Agenda item 6 (c))

9. The representative of the United Nations Centre for Human Settlements (Habitat) recalled that the Subcommittee, at its sixteenth session, agreed on "Water for thirsty cities" as the theme for the observance of World Water Day in 1996 in order to link it with the convening of the United Nations Conference on

Human Settlements (Habitat II). Habitat was designated as the lead agency for the organization of events for the Day. The representative briefed the members of the Subcommittee on the activities that had been organized for the observance of the day in collaboration with the Department for Policy Coordination and the Department for Development Support and Management Services of the United Nations Secretariat, UNEP, UNDP, the World Meteorological Organization (WMO), the World Bank, the regional commissions, the Water Supply and Sanitation Collaborative Council and numerous non-governmental organizations.

10. An information kit on issues and problems of urban water resources management was mailed to all countries through the UNDP resident representative, for distribution to all water-related agencies and institutions and all United Nations agencies and regional offices and commissions. It was also disseminated on the Internet via the Habitat home page, as well as the UNDP Higgins Network. National and local authorities and non-governmental organizations were encouraged to use the media in order to draw attention to water supply, sanitation, drainage and waste management problems; demonstrate tangible improvements in the provision of water and sanitation for the poor; and identify, publicize and reward local initiatives for improving the lot of the poor. Universities and schools were urged to organize design, essay and painting competitions, and to introduce water issues into school curricula. Children's events were organized in Nairobi, Jakarta, Quito, Stockholm and Beijing.

11. The Government of China hosted an international conference on managing water resources for large cities and towns, with about 150 participants from some 50 countries and United Nations agencies. The conference adopted the Beijing Declaration as an input to the Habitat II Conference. The observance of World Water Day in Beijing included a children's event, a press conference and community-based observances around Beijing, followed by official observances and the award of the World Day for Water Scrolls of Honour, in recognition of major contributions to water development, which were held in the Great Hall of the People.

12. The members of the Subcommittee recalled that the theme for the observance of World Water Day in 1997 was to be linked to the comprehensive assessment of the freshwater resources of the world. The representatives of UNESCO and WMO, as lead agencies for World Water Day for 1997, informed the Subcommittee of activities being planned in connection with the observance of the Day. It was agreed that the Chairman of the Subcommittee, as a member of the Interim Board of Governors of the World Water Council, would explore the possibilities of cooperating with organizations of the Morocco Forum: Water Resources Management in the Next Century, as part of the observance of World Water Day.

13. Given the importance of groundwater worldwide, particularly in arid and semi-arid regions, as well as the limited knowledge on hydrogeological systems, the members of the Subcommittee recommended that the theme of World Water Day in 1998 be "Groundwater: invisible resource", with an emphasis on water quality as well as quantity.

C. Coordination and monitoring of chapter 18 of Agenda 21, and system-wide cooperative efforts for the implementation of recommendations contained therein: protection of water resources, water quality and aquatic ecosystems

(Agenda item 7 (c))

14. The representative of UNEP highlighted the major problems involved in analysing water quality issues on a global or regional scale. Much of the available global and regional water quality information is a product of the UNEP Global Environment Monitoring System/Water Quality Monitoring Programme (GEMS/Water). GEMS/Water is implemented by the World Health Organization (WHO) for UNEP. Water-quality data under GEMS/Water are typically obtained from national-level monitoring stations, whose participation is supported by the provision of capacity-building services to the countries involved.

15. The representative noted that knowledge of water quality on a global scale is much less comprehensive than knowledge of water quantity, a conclusion reached in the process of preparing the comprehensive assessment on freshwater resources of the world. High costs and insufficient knowledge of environmental pathways and impacts were among the reasons for that situation.

16. The members of the Subcommittee expressed concern at the evident deterioration of water quality worldwide, which is rapidly reducing the potable water resource base and threatening human health and aquatic ecosystems. Unlike water quantity, the fundamental scientific understanding of the processes and related flux transfer of surface and subsurface contaminants is far from comprehensive. Limited access to existing databases on water quality has restricted the appropriate development of the models that are urgently required for the development and application of land and water management guidelines within the framework of water pollution and environmental health. Water quality covers a range of pollutants that concern both human and environmental health. Moreover, the costs and infrastructure, such as laboratories, that are required for water quality monitoring to be achieved comprehensively are beyond the means of any one United Nations agency to support.

17. The members of the Subcommittee noted that the water quality situation had been similar during the 1960s. At that time, the recognition that there was insufficient understanding of hydrological processes for application in water resources management prompted the International Hydrological Decade, 1965-1974. The global programme had stimulated the establishment of a network of representative basins that rapidly improved the understanding of hydrology and water resources management, based on United Nations inter-agency cooperation, underpinned by strong support at the national level in many countries.

18. The Subcommittee therefore supported a proposal for the development of a comprehensive water quality programme, as a cooperative effort of UNESCO, UNEP, the United Nations University (UNU), the Department for Development Support and Management Services of the United Nations Secretariat and WHO, based on a carefully selected global network of representative drainage basins to encompass the broad spectrum of environments so that future extrapolation to unmonitored basins can be achieved. Each monitored basin will support a carefully planned

integrated research and training programme to develop appropriate water quality models to address the needs of water supply, water and health, and the broader objective of improving the condition of the environment. Details of the proposal were to be elaborated by the above-mentioned organizations and circulated for comments to the members of the Subcommittee by the end of 1996. It was further recommended that GEMS/Water be strengthened as a means of rectifying the current lack of information on water quality within the framework of water resources assessment.

D. Global Programme of Action for the Protection of the Marine Environment from Land-based Activities

(Agenda item 9)

19. The representative of UNEP described the Global Programme of Action for the Protection of the Marine Environment from Land-based Activities. The Programme of Action was developed to address major threats to the health and productivity of the marine environment resulting from human activities on land; it was adopted at an intergovernmental conference in Washington, D.C. (23 October-3 November 1995).

20. UNEP had been selected to carry out the secretariat functions of the Programme of Action. The main role of UNEP, together with its partner agencies, is to assist countries in the implementation of the Programme of Action, foster subregional, regional and global cooperation in its implementation, and provide a global institutional framework to coordinate that implementation. A draft implementation plan was developed by UNEP and subsequently modified following consultations with United Nations and intergovernmental bodies, as well as selected Governments and non-governmental organizations. The implementation plan includes proposals for institutional arrangements, a timetable and modalities for implementation of the Programme of Action, a description of the secretariat role and inputs of UNEP and other bodies, and financial implications. The draft plan was subsequently submitted to the Commission at its fourth session as the basis for a draft resolution on institutional arrangements for implementation of the Programme of Action, to be adopted by the General Assembly at its fifty-first session.

21. The Subcommittee on Oceans and Coastal Waters will regularly review the state of implementation of the Programme of Action. The members of the Subcommittee on Water Resources discussed the possibility of establishing linkages between the two subcommittees. Possible roles for the ACC Subcommittee on Water Resources could include formal liaison/collaboration between the two subcommittees; participation in regional workshops, a clearing-house mechanism, and/or assessments of land-based activities; and the identification and implementation of remedial programmes to address land-based activities.

22. The members of the Subcommittee stressed the fact that the bulk of ocean and coastal area pollution stems from the pollution of inland freshwater. They stressed their concern about the current state of affairs concerning pollution monitoring and control worldwide, and the need for increased efforts by the United Nations system. In that regard, the proposal by UNESCO, UNEP, UNU, the

Department for Development Support and Management Services of the United Nations Secretariat and WHO for developing a comprehensive water quality programme based on selected global networks of representative drainage basins (see paras. 14-18 above), including coastal areas, could constitute an important contribution to the implementation of the Global Programme of Action.

23. The members of the Subcommittee decided that the Chairperson of the ACC Subcommittee on Water Resources would consult his counterpart on the ACC Subcommittee on Oceans and Coastal Waters prior to its next meeting regarding an appropriate role for the Subcommittee on Water Resources in support of implementation of the Programme of Action.

E. Other issues related to system-wide coordination

(Agenda item 10)

1. Facilitation of information flows concerning programmes and activities of the organizations of the United Nations system and non-governmental organizations

(Agenda item 10 (a))

24. The members of the Subcommittee agreed on the need to establish a database in which members could include information on their activities. The importance of adopting a common terminology was stressed. The representative from FAO stated that most organizations have a home page but that there is a need for cross-references.

25. It was decided that the database should begin by describing United Nations field-level activities and later include information on global, regional and local activities. A task force with representatives of UNDP, the World Bank, the Department for Development Support and Management Services of the United Nations Secretariat, UNESCO, UNEP and the Economic Commission for Africa (ECA) was formed in order to make recommendations on the scope and content of the database and an implementation schedule.

26. It was decided that, as a first step, the database would be established for sub-Saharan countries that are part of the United Nations System-wide Special Initiative for Africa, and would later be expanded to become a global database. The Subcommittee will further review the outcome of those efforts at its eighteenth session.

2. Other matters

(Agenda item 10 (e))

27. The representative of the Department for Policy Coordination and Sustainable Development of the United Nations Secretariat informed the Subcommittee that the Economic and Social Council had decided on "Freshwater, including clean and safe water supply and sanitation" as the sectoral theme for

the coordination segment of its substantive session of 1997. He would consult shortly with the members of the Subcommittee on the scope and outline of the report of the Secretary-General that would be prepared on that theme, and would inform them of the deadline for its preparation.

F. Date and place of the eighteenth session of the ACC Subcommittee on Water Resources

(Agenda item 11)

28. The members of the Subcommittee took note of the invitation of the International Atomic Energy Agency (IAEA) to host the eighteenth session of the Subcommittee. They recommended that the eighteenth session be held at IAEA headquarters from 1 to 3 October 1997. The session would be preceded by the seventh meeting of the Inter-Agency Steering Committee for Water Supply and Sanitation, which would be held on 29 September 1997, and by a meeting of the Inter-Agency Working Group for the Water component of the United Nations System-Wide Special Initiative on Africa, which would be held on 30 September 1997. The members of the Subcommittee also recommended that a number of international non-governmental organizations be invited to participate at an informal meeting with the members of the Subcommittee on 30 September 1997.

II. CONCLUSIONS REACHED AND SUMMARY DISCUSSIONS ON OTHER MATTERS

A. Matters arising from the Inter-Agency Committee on Sustainable Development: review of the task managers report for the 1997 review of chapter 18 of Agenda 21

(Agenda item 3)

29. The members of the Subcommittee had before them document ACC/SWR/1996/3, containing the draft task managers report on chapter 18 of Agenda 21, prepared in connection with the fifth session of the C mmission on Sustainable Development, as well as document ACC/SWR/1996/4, the report of the meeting of task managers held in New York from 8 to 10 July 1996 to review the task managers draft.

30. The members of the Subcommittee agreed that the draft report needed to give further emphasis to such issues as gender, pollution, education and training, water and trade, and peri-urban areas. In accordance with the recommendations from the July meeting of task managers, it was agreed that the report should contain references to the Africa 2000 Initiative on Water Supply and Sanitation and to the outcome of Habitat II. Additional inputs to the report would be sent to the Secretary of the Subcommittee no later than 18 October 1996.

31. The members of the Subcommittee agreed that given the quality of the report, its recommendations should be reflected in the comprehensive assessment of freshwater resources to be submitted to the Commission on Sustainable

Development at its fifth session and to the General Assembly at its fifty-second session, in 1997.

32. The members of the Subcommittee expressed the view that the material contained in the report could constitute a basis for an information document outlining issues on activities of the organizations of the United Nations system in the field of water resources.

B. Matters arising from the third session of the Committee on Natural Resources

(Agenda item 4)

33. The representative of the Department for Policy Coordination and Sustainable Development of the United Nations Secretariat briefed the members of the Subcommittee on the outcome of the third session of the Committee on Natural Resources, held in New York from 6 to 16 May 1996. A summary of the deliberations and recommendations of the Committee, as well as of ensuing decisions by the Economic and Social Council, was presented in document ACC/SWR/1996/5.

34. The representative noted that three documents on water-related issues are to be prepared for the fourth session of the Committee, namely:

(a) Report of the Secretary-General on water resources, focusing on progress made towards achieving sustainable development, describing the coordination and integration of the activities of United Nations organizations and bodies, and success in meeting the goals set;

(b) Report of the Secretary-General on follow-up to the comprehensive assessment of the freshwater resources of the world;

(c) Report of the Secretary-General on issues related to the spatial planning of land and water resources.

35. As to the first report, it was suggested that the report would be an expanded version of the task managers report to the Commission on Sustainable Development on chapter 18 of Agenda 21, based on its description of progress and issues and describing relevant activities of the organizations as they pertain to those issues. The organizations responsible for monitoring each of the seven programme areas in chapter 18 of Agenda 21, as agreed at the fourteenth session of the Subcommittee, would produce a draft by June 1997 in collaboration with the organizations concerned and submit it to the Secretary by the end of July 1997. The report would then be put together and sent to the members for comments, and a final draft would be presented to the Subcommittee at its eighteenth session, in late September 1997. As to the second report, an outline will be formulated following the outcome of the special session of the General Assembly. As to the report on issues related to management of land and water resources on an integrated basis, an outline of the report will be formulated by the Department, in consultation with FAO, and will be distributed for comments to the members of the Subcommittee.

36. The representative of the Department for Development Support and Management Services provided additional information on the deliberations of the Committee on Natural Resources on privatization and on the Ad Hoc Expert Group Meeting on Strategic Issues Concerning Transboundary Water Resources convened during the Committee meeting.

C. Initiatives for joint action

(Agenda item 6)

1. Comprehensive assessment of the freshwater resources of the world

(Agenda item 6 (a))

37. The members of the Subcommittee had before them document ACC/SWR/1996/6, containing a first draft of the comprehensive assessment of the freshwater resources of the world. The document was reviewed together with the comments provided.

38. The members of the Subcommittee expressed their general support for the approach and the basic conclusions, bearing in mind the data and time constraints under which the assessment must be prepared. Because of those constraints, they recommended that the report state at the outset that it is a preliminary assessment, in accordance with the decision of the Commission on Sustainable Development at its fourth session, in 1996. The executive summary should emphasize the value added by the assessment relative to previous studies.

39. The members of the Subcommittee expressed the view that the recommendations contained in the task managers report on chapter 18 of Agenda 21 be used extensively. They also recommended that the conclusions of the assessment be cast in a positive tone, stressing opportunities for action while recognizing the seriousness of the situation. Actions required from different users, from the local community level to governmental and intergovernmental levels, as well as stakeholder's rights and responsibilities need to be further highlighted. It was pointed out by the representative from the International Research and Training Institute for the Advancement of Women (INSTRAW) that the existing document does not make any mention of gender and freshwater resources of the world, and as such could not be submitted to the Commission on Sustainable Development in 1997. The same applied to linkage between renewable sources of energy and water resources management. The members of the Subcommittee agreed on the need to include gender issues in the document, particularly in its conclusions and recommendations.

40. The members of the Subcommittee recognized the importance of drawing attention to the economic damage caused by the mismanagement of water resources and the need to underscore economic aspects of natural resources in general. They stressed the need to emphasize problems arising from low economic development and lack of appropriate infrastructure.

41. It was agreed that a short glossary of definitions should be included. Stronger linkages between the assessment and ongoing processes within the United Nations system must be further developed in the text, and the aspects of the developing countries need to be further extended. The term "water crisis" needs to be more clearly defined as being local and/or regional in nature, with possible global implications.

42. The Subcommittee concluded that the linkages between the different chapters need to be further strengthened, particularly in the case of chapters three and four of the draft report.

43. The members of the Subcommittee also agreed on changes in the individual chapters. As to chapter one, it was argued that its definition of mismanagement is not historically correct: it is a matter of mismanagement during the twentieth century. Chapter one should also include a section on the problems related to the lack and quality of data, and a section on the eradication of the guinea worm. It was further suggested that the ecosystem approach needs to be further developed. Section 3 of chapter one should include a reference to the United Nations Conference on Environment and Development.

44. It was the consensus of Subcommittee members that chapter two needs to be more consistent. The chapter should introduce the FAO water budget. The index maps need to be retitled and a map on groundwater quality, already prepared by the Department for Development Support and Management Services, should be included. The concept of water scarcity should be replaced by the concept of the excessive use of water. Figure 4, showing water withdrawal and consumption by sector, needs to be expanded to include water used for energy and hydropower, and should not treat water storage as a separate sector. The heading "Groundwater overutilization" should be changed to "Human withdrawals of groundwater", and the section "Water pollution issues" should contain a section entitled "Groundwater pollution", including radioactive waste disposal, emphasizing the problem with long-term pollution. The issue of phosphate as a nutrient needs to be developed in the section on eutrophication, and the discussion on point and non-point sources needs to be extended. The section on the nutrient loads present in human sewage should be moved to the section on water supply and sanitation, and the term "waste water" should replace the term "sewage".

45. The members of the Subcommittee recommended that the section on soil erosion and salinization be expanded to include a section on the implications of natural climate variability in the section on climate change. Issues related to ozone depletion (ecosystems) should be mentioned. The last two paragraphs in that section on the implementation of remedial measures related to the misuse of freshwater and land resources should be removed. The chapter should conclude with a section on the gaps and limitations of the available data.

46. As to chapter three, the Subcommittee agreed on an overall need to simplify its language and eliminate excessively complicated diagrams. Chapters three and four both need to be more consistent. It was felt that the indicators used in chapter four to describe coping capabilities and management options did not provide a suitable description of the African situation, and needed to be revised in order to reflect the situation in that region.

47. It was decided that further comments would be submitted to the Secretary of the Subcommittee by 18 October 1996.

2. Water resources management in African countries

(Agenda item 6 (b))

(a) Water-related components of the Secretary-General's Special Initiative for Africa (Agenda item 6 (b) (i))

48. The representative of UNEP briefed the members of the Subcommittee on the outcome of the meeting of the inter-agency working group for the water components of the United Nations System-wide Special Initiative for Africa, which was held on 11 October 1996 in conjunction with the meeting of the Subcommittee.

49. The representative recalled that a Steering Committee had been established to implement the Special Initiative, co-chaired by the UNDP Administrator and the Executive Secretary of ECA. Initial membership comprised UNEP, FAO, UNESCO, the United Nations Children's Fund (UNICEF), the World Bank, the ILO, WHO, the Department for Policy Coordination and Sustainable Development of the United Nations Secretariat and the United Nations Population Fund (UNFPA). The work of the Special Initiative was carried out by five inter-agency working groups, on (a) water (Chair - UNEP); (b) food security (Chair - FAO); (c) governance (Chair - UNDP); (d) social and human development (Chair - UNESCO); and (e) resource mobilization (Chair - World Bank). The Special Initiative, launched globally on 15 March 1996, was developed as a 10-year programme, comprising priority activities identified by each working group, at a total cost of US$ 25 billion.

50. The working group on water had identified four priority objectives, including (a) assuring sustainable and equitable freshwater, (b) household water security, (c) freshwater assessments, and (d) water for food security. The working group structure was modified during a meeting held at the World Bank in April 1996 to focus on practical implementation of water priorities. Cooperating bodies are UNEP, UNDP, FAO, UNICEF, the World Bank, ECA, WHO, United Nations Industrial Development Organization (UNIDO), WMO, the Southern African Development Community and UNESCO. UNEP and the World Bank will serve as continuing co-chairs of the Working Group. UNEP also will compile and analyse information on ongoing and planned activities of all United Nations bodies working on African water issues, as a means of enhancing collaboration and cooperation and preventing overlapping activities.

51. At the meeting of 11 October 1996, members of the working group reviewed ongoing and planned activities in support of the implementation of the water-related objectives of the Special Initiative and the role of lead agencies concerning specific objectives. The meeting also discussed criteria for identifying areas or countries in which concerted action by the organizations of the system should focus, as well as indicators of success in the implementation of activities. The representative of the Department for Development Support and Management Services of the United Nations Secretariat provided additional

information on a report prepared by the Department on the need to ensure equitable access and sustainable use of water, which had been sent to UNEP on 17 April 1996.

52. The members of the Subcommittee reiterated the importance attached by their organizations to the Special Initiative and their support for the successful implementation of its objectives.

(b) Compilation and analysis of activities of United Nations organizations (Agenda item 6 (c) (ii))

53. Members of the Subcommittee considered a report on activities of the organizations of the United Nations system in water resources in the African region (ACC/SWR/1996/7), which had been prepared by FAO.

54. The document shows that a substantial amount of work has already been carried out in Africa by the organizations of the system, and that a considerable amount of collaboration exists between them. It was noted that the document did not provide budgetary information on those activities, and it was agreed that such information would be very useful in the future.

55. The members of the Subcommittee expressed their appreciation for the document, and agreed on the need for the collection and dissemination of such information as an integral part of the proposed database on the activities of the organizations of the United Nations system in the field of water resources (see paras. 24-26 above).

(c) Africa 2000 Initiative for Water Supply and Sanitation (Agenda item 6 (b) (iii))

56. The representative of WHO provided a summary of the work carried out within the Africa 2000 Initiative, which was launched by the ministers of health of 46 African countries at the meeting of the WHO Regional Committee for Africa in September 1994.

57. The first regional consultation on the Africa 2000 Initiative for Water Supply and Sanitation was held at Brazzaville, the Congo, from 25 to 27 June 1996, bringing together some 140 participants, including senior government officials, from almost all the countries of Africa, as well as representatives of United Nations organizations, development agencies and non-governmental organizations.

58. The Brazzaville Declaration adopted at the consultation stressed the need for priorities to be based on the expressed desires of the people; for development to be founded on local skills and resources so as to produce appropriate solutions; for partnerships to be formed among communities, local governments, non-governmental organizations, the private sector and development agencies; and for external support to be based on national plans and programmes.

59. The consultation also agreed on a series of conclusions and recommendations for follow-up action on issues of finance, political commitment, coordination, communications, capacity-building, appropriate technology and the management of

water resources. The participants called for the appointment of Africa 2000 focal points in all countries, and the linking of Africa 2000 with other development initiatives on the continent, especially the United Nations System-wide Special Initiative on Africa. An Africa 2000 secretariat will be established in the WHO Regional Office for Africa.

60. The members of the Subcommittee recommended that the working group on water of the Special Initiative for Africa include the Africa 2000 Initiative as part of its work.

(d) Report on the Inter-Agency Group for Water in Africa
(Agenda item 6 (b) (iv))

61. The representative of ECA briefed the members of the Subcommittee on the activities of the Inter-Agency Group for Water in Africa. He pointed out that the Group has held four meetings to date, most recently in 1995 at IAEA headquarters at Vienna. At the Vienna meeting, emphasis was placed on inter-agency cooperation in the area of transboundary water issues in Africa. It was decided that a comprehensive background paper on transboundary water issues in Africa would be prepared by ECA.

62. The fifth meeting of the Inter-Agency Group will be convened at Alexandria, Egypt, from 3 to 5 December 1996, at which ECA will present a study on the problems and prospects for intercountry cooperation for integrated water resources development in the Nile basin area. The study has been circulated to all the agencies for their comments and inputs.

D. Coordination and monitoring of chapter 18 of Agenda 21, and system-wide cooperative efforts for the implementation of recommendations contained therein

(Agenda item 7)

1. Integrated water resources development and management

(Agenda item 7 (a))

63. The representative of UNDP introduced a paper entitled "Human resources development in the water sector" (ACC/SWR/1996/9), and informed the members of the Subcommittee about a forthcoming UNDP international symposium on capacity-building, which will be held at Delft, the Netherlands, from 4 to 6 December 1996, in collaboration with the International Institute for Hydraulics and Environmental Engineering. The symposium will look into success stories in capacity-building, and will consider links between freshwater and coastal areas, and the role and capacity of local banks and financial institutions as additional dimensions of the concept of capacity-building. The representative of the Department for Development Support and Management Services of the United Nations Secretariat indicated that the fragmentation of institutions dealing with water resources management at the country level continued to represent a most serious constraint in achieving an integrated approach to water management.

64. The members of the Subcommittee recalled that at the sixteenth session of the Subcommittee they had expressed their appreciation for the joint FAO/UNDP/World Bank publication Water Policies and Strategy Formulation: a General Framework. In accordance with the recommendation of the Subcommittee, the publication has since been given wide distribution at the country level. As to the preparation of a system-wide source book or guidelines on water resources policy, the initial work carried out in accordance with the decision of the Subcommittee at its sixteenth session indicated that various organizations are still using concepts and definitions that require further harmonization. The Subcommittee agreed that a source book summarizing policies of the organizations and bodies of the United Nations system and the regional banks would be prepared under the leadership of UNDP. It was noted that the consensus paper on water supply and sanitation developed through the Steering Committee constituted a step towards achieving that objective.

2. Water resources assessment

(Agenda item 7 (b))

65. The representative of WMO stated that work on a WMO/UNESCO handbook on national evaluation of water resources assessment activities has been completed and the revised version will soon be available. He also provided information on the updating of the Hydrological Information Report Service, a computerized database that contains information from national, regional and international hydrological agencies, networks and data banks of WMO members. The data available, covering 160 countries, could also be of relevance for the database proposed by the Subcommittee to be established for the sub-Saharan countries that are included in the United Nations System-wide Special Initiative for Africa.

66. WMO, in cooperation with the Inter-American Development Bank, organized a conference on water resources assessment and management for Latin America and the Caribbean at San José, Costa Rica, in May 1996, which was attended by 150 senior representatives and experts on water resources from 33 Latin American and Caribbean countries and 18 international and national organizations. The Action Plan adopted by the conference covers the areas of integrated water resources management; institutional and legal frameworks; comprehensive water resources assessment; basic information for the integrated management of water resources; human resources and training; education and community participation; natural disasters; and transboundary water resources. A similar conference is planned for 1997 or 1998 in the Asia and Pacific region, and will be organized jointly with the Asian Development Bank.

67. The Subcommittee was also informed about recent developments regarding the World Hydrological Cycle Observing System, developed by WMO with support of the World Bank and other bodies. In addition to the project already implemented in the Mediterranean rim countries, detailed project proposals had been developed for a Southern Africa component, expected to be implemented with European Union funding. Plans were being prepared for a West and Central Africa component, for the Intergovernmental Authority on Development countries and for the Caribbean basin. The representative of WMO also informed the Subcommittee about the

forthcoming tenth session of the WMO Commission for Hydrology, to be held at Koblenz, Germany, from 2 to 12 December 1996.

68. The representative of IAEA noted a joint initiative to establish an isotope hydrological database. He invited other organizations to take part in the build-up of the database.

3. Water supply and sanitation: report of the Inter-Agency Steering Committee for Water Supply and Sanitation

(Agenda item 7 (d))

69. The members of the Subcommittee reviewed a report of the sixth meeting of the Inter-Agency Committee for Water Supply and Sanitation, which had been convened prior to the ACC Subcommittee meeting, from 7 to 8 October 1996, at UNESCO headquarters in Paris.

70. Among the items of the agenda of direct concern to the Subcommittee was a consensus prepared as the basis for joint approaches to water supply and sanitation development. The Steering Committee recommended that the document be completed by the end of 1996, for submission to the Secretary of the ACC Subcommittee on Water Resources for finalization as a background document that could be of use in connection with the work of the Commission on Sustainable Development and a number of other intergovernmental bodies.

71. The Steering Committee further identified several key issues that needed further attention, including improving information in water supply and sanitation coverage by strengthening the WHO/UNICEF Joint Monitoring Programme, and improving information on water quality through GEMS/Water, as well as the alarming situation concerning the lack of sewage treatment and the need to strengthen partnerships among the organizations of the United Nations system, external support agencies and the private sector.

4. Water for sustainable urban development

(Agenda item 7 (e))

72. The representative of Habitat highlighted the significance of the United Nations Conference on Human Settlements (Habitat II), held in Istanbul from 3 to 14 June 1996, in promoting urban water resources management and development. The Habitat II preparatory process had included an international conference on the theme "Water for thirsty cities", organized by Habitat in cooperation with UNEP and the Government of the Netherlands. The conference, held at Beijing from 18 to 21 March 1996, was attended by more than 150 participants from 50 countries, including the representatives of bilateral agencies, United Nation agencies, and leading non-governmental organizations. The Beijing Declaration adopted by the conference reiterated the principles contained in the Dublin Statement, such as the economic value of water, and focused on the urgency of greater efforts to promote management in order to improve the efficiency of water use, as well as the importance of innovative financing mechanisms and

broad-based partnerships bringing together the public and private sectors and local communities.

73. Another important event was a round table on the theme "Water for thirsty cities", organized by UNDP and the Department for Development Support and Management Services of the United Nations Secretariat in association with Habitat, during Habitat II at Istanbul. The round table recommended the adoption of the above-mentioned Beijing Declaration as a basis for country-level and international action, and the Declaration was subsequently included as an official document of Habitat II.

74. Following up Habitat II, Habitat, together with UNDP, organized a round table on the theme "Partnership in the water sector", held in Washington, D.C., on 14 September 1996, bringing together leaders of national and local governments, major private developers and representatives of United Nations agencies to discuss public, private and community partnerships for the delivery of water-related urban services.

75. The representatives of Habitat and UNDP announced their plans to organize a consultation on the theme "Partnerships in the water sector in Africa", to be held in March or April 1997. The Habitat representative also introduced a document entitled "Multi-agency programme for integrated water resources management in peri-urban areas" (ACC/SWR/1996/8), and informed members that the document included the comments of member agencies; interested agencies were invited to attend the consultation.

5. Water for sustainable food production and rural development

(Agenda item 7 (f))

76. The representative of FAO informed the Subcommittee of progress in programmes in the field of water for sustainable food production and rural development. He stated that the World Food Summit, which was to be held from 13 to 17 November 1996 in Rome, would provide a forum at the highest political level for addressing the need for global commitment and action to eradicate hunger and malnutrition and achieve lasting food security for all. Water management would be one of the important issues to be discussed at the Summit. In addition, FAO had launched a special programme in 21 low-income food-deficit countries, that gave high priority to irrigation development and soil moisture conservation in areas in which water was a limiting factor and large productivity gains and/or stabilization of yields could be expected through better water management.

77. The International Action Programme on Water and Sustainable Agricultural Development is being used as the major instrument for assisting member nations to implement section F, chapter 18, of Agenda 21. The programme focuses on: (a) reviewing the national water sector in general, and the irrigation subsector in particular; (b) the identification of issues and opportunities for development in the context of policies/strategies; (c) river basin master planning; (d) the adaptation of technologies; (e) management issues; (f) environmental sustainability; (g) national capacity-building; and (h) the

formulation of national action programmes to address issues and realize opportunities. Assistance has been provided to formulate national and subregional action programmes in China, Egypt, Indonesia, Syria, the United Republic of Tanzania, Turkey, Zimbabwe and the Lake Chad basin. Assistance for initial implementation of the programme has been provided, through technical cooperation programmes, to four countries: Egypt, Indonesia, Turkey and Zimbabwe.

78. FAO, in collaboration with the International Programme for Technology Research in Irrigation and Drainage, has launched a programme on irrigation technology transfer in four East and Southern African countries: Malawi, the United Republic of Tanzania, Zambia and Zimbabwe. The objective of the programme is to promote sustainable low-cost irrigation technologies in those countries by enhancing the role of the private sector in the local manufacture of irrigation equipment, support services, and the marketing and testing/ demonstration of such locally manufactured equipment.

79. The representative of UNICEF informed the Subcommittee of the third Technical Consultation on Integrated Rural Water Management, on the theme "Building the bridge between water supply, sanitation and irrigation", to be held in July 1997. It was proposed that UNICEF act as host of the meeting. which will be jointly organized by UNICEF, FAO, WHO, UNDP, the World Bank and the Department for Development Support and Management Services of the United Nations Secretariat.

E. Activities of the Global Environment Facility in the area of water resources

(Agenda item 8)

80. The representatives of UNEP and the Stockholm Environment Institute described the International Waters Operational Strategy of the Global Environment Facility (GEF). As to addressing the large body of international waters issues, a comprehensive approach to water resources management is indicated, which must be cross-sectoral in scope, integrate ecological and development issues, and be based on holistic analyses of the carrying capacity of freshwater and marine environments. To that end, GEF can assist countries in improving the understanding of their water resources, identifying how different sectoral activities affect the aquatic environment, building institutional capacity for addressing transboundary water concerns and collaborating with neighbouring countries to improve the quality of shared water bodies.

81. The new GEF Operational Strategy of February 1996 identifies several priority areas within international waters, including the degradation of the quality of transboundary water resources; the physical habitat degradation of coastal and near shore marine areas, lakes and watercourses; the introduction of non-indigenous species; and the excessive exploitation of living and non-living marine resources. In addition, a set of international waters operational programmes has been developed under each focal area, focusing on water body based areas (transboundary freshwater basin components and large marine ecosystem components), integrated land and water multiple focal areas, and

contaminant-based areas (land-based activities demonstration component; global contaminants component; ship-related contaminants component).

82. The representative of UNEP also pointed out that the process for assessing project development facility proposals to GEF from the three implementing agencies (UNEP, UNDP, World Bank) has recently been changed. The inter-agency process has been discontinued in favour of direct bilateral discussions between each individual implementing agency and the GEF secretariat. He also pointed out that while the GEF Council is not identified as the funding agency for the Global Programme of Action for Protection of the Marine Environment from Land-Based Activities, GEF would readily entertain proposals from implementing agencies for activities that directly support the implementation of the Global Programme of Action. The only condition is that proposals be consistent with the goals and conditions of the GEF Operational Strategy for International Waters.

F. Other issues related to system-wide coordination

(Agenda item 10)

1. Establishment of a computerized thesaurus of water terms

(Agenda item 10 (b))

83. The representative of UNESCO indicated that the UNESCO/WMO Glossary of Hydrological Terms is currently available in several languages on magnetic tape, and will soon be available through the UNESCO International Hydrological Programme Web site assuming that the relevant copyright issues are resolved. Similarly, the representative of the Water Supply and Sanitation Collaborative Council stated that a glossary of terms has also been created and is available through the Council's Web site. Members of the Subcommittee agreed on the need to have knowledge of the existence of the various web sites of organizations with a view to cross-referencing them, as part of the work to be carried out on the development of a database on the relevant activities of the organizations and bodies of the United Nations system.

2. Science and technology and adaptation of technology issues in the field of water resources

(Agenda item 10 (c))

84. Pursuant to discussions at the sixteenth session of the Subcommittee, the representative of UNDP presented a paper entitled "Innovative approaches in the water sector". The paper had been prepared as a result of brainstorming sessions held by UNDP with representatives of the United Nations Secretariat and UNICEF. The Subcommittee did not have time to review the contents of the paper. It was agreed, however, that UNDP will distribute a copy to all the members of the Subcommittee for comments, and will submit a revised version to the next session of the Subcommittee.

3. Specific activities of member bodies brought to the attention of the members of the Subcommittee

(Agenda item 10 (d))

85. The representatives of the United Nations University informed the members of the Subcommittee that the United Nations University International Network on Water, Environment and Health (UNU/INWEH) was inaugurated on 20 September 1996.

86. The work of UNU/INWEH will be carried out by networks of cooperating units and project teams in Canada and other parts of the world, particularly the developing regions. Primary programme themes for UNU/INWEH will include aquatic ecosystem protection and management, water and wastewater treatment and remediation, environmental assessment, eco-toxicology, and water-related human health impacts. In its initial years, UNU/INWEH will focus on education and targeted training programmes that will address pressing global needs that cut across different disciplines.

87. UNU/INWEH will commence operations on 15 October 1996. Its headquarters will be located at McMasters University, Ontario, Canada, with supporting facilities at the Canada Centre for Inland Waters in Burlington. Dr. Ralph J. Daley has been appointed Director of UNU/INWEH.

88. The representatives of UNU/INWEH concluded that they look forward to close cooperative relationship with member organizations of the Subcommittee.

III. ORGANIZATIONAL MATTERS

89. The seventeenth session of the ACC Subcommittee on Water Resources was held at UNESCO headquarters, Paris, from 9 to 11 October 1996, immediately following the sixth meeting of the Inter-Agency Steering Committee on Water Supply and Sanitation, held at UNESCO headquarters on 7 and 8 October 1996.

90. The session was opened by the Coordinator of UNESCO environmental programmes. He stressed the importance of coordination and cooperation among all the organizations of the United Nations, and the role of the Subcommittee as the vehicle for collaboration. The Coordinator also stressed the importance of adopting a holistic view and an integrated approach when working with water resources management, and of establishing a link with other areas of concern within Agenda 21, such as coastal zones and small island developing States. He further pointed out the significant role played by the Subcommittee as task manager for chapter 18 of Agenda 21, particularly for reporting to the Commission on Sustainable Development at its fifth session and the General Assembly at its special session on progress and issues concerning water resources.

91. Mr. András Szöllösi-Nagy, Director, UNESCO Division of Water Sciences, elected as Chairperson for 1996-1997, presided over the session. Mr. Frank Harvelt, Director, Water, Waste Management and Aquatic Environment, Sustainable Energy and Environment Division of UNDP, served as Vice-Chairperson.

Mr. Pierre Najlis of the Department for Policy Coordination and Sustainable Development of the United Nations Secretariat served as Secretary. The list of participants is contained in annex I, the agenda in annex II and the list of documents before the Subcommittee in annex III.

Annex I

LIST OF PARTICIPANTS

Chairman: András Szöllösi-Nagy (United Nations Educational, Scientific and Cultural Organization)

Vice-Chairman: Mr. Frank Harvelt (Division for Science, Technology and the Private Sector, United Nations Development Programme)

Secretary: Pierre Najlis (Department for Policy Coordination and Sustainable Development of the United Nations Secretariat)

United Nations

Department for Policy Coordination and Sustainable Development	Pierre Najlis Johan Kuylenstierna
Department for Development Support and Management Services	Claude Sauveplane
Economic Commission for Africa	Azm Hoque
United Nations Children's Fund	Michel Saint-Lot
United Nations Development Programme	Frank Harvelt
United Nations Environment Programme	Walter Rast
United Nations Centre for Human Settlements	Kalyan Ray
United Nations High Commissioner for Refugees	Daniel Mora-Castro
United Nations University	S. Chidambaranathan Ralph Daley
International Research and Training Institute for the Advancement of Women	Borjana Schieber

Specialized agencies and related organizations

Food and Agriculture Organization of the United Nations	Arumugam Kandiah
United Nations Educational, Scientific and Cultural Organization	András Szöllösi-Nagy Janos Bogardi J. Alberto Tejada-Guibert
World Health Organization	Dennis Warner Gregor Watters

World Bank	Geoffrey Mattews
World Meteorological Organization	Dieter Kraemer
International Atomic Energy Agency	Klaus Froehlich
Observers	
Stockholm Environment Institute	Gunilla Björklund
World Water Council	Guy Lamoigne
IRC	Hans van Damme
Water Supply and Sanitation Collaborative Council	Ranjith Wirasinha

Annex II

AGENDA

1. Opening of the session.

2. Adoption of the agenda and organization of work.

3. Matters arising from the Inter-Agency Committee on Sustainable Development: review of task managers report for 1997 review of chapter 18 of Agenda 21.

4. Matters arising from the third session of the Committee on Natural Resources.

5. Measures to strengthen coordination:

   (a) United Nations system;

   (b) Global Water Partnership;

   (c) Organizations outside the United Nations system.

6. Initiatives for joint action:

   (a) Comprehensive Assessment of the Freshwater Resources of the World;

   (b) Water resources management in African countries:

      (i) Water-related Components of Secretary-General's Special Initiative for Africa;

      (ii) Compilation and Analysis of Activities of United Nations organizations;

      (iii) Africa 2000 Initiative on Water Supply and Sanitation;

      (iv) Report on the Inter-Agency Group for Water in Africa;

   (c) Public information, with particular reference to World Water Day.

7. Coordination and monitoring of chapter 18 of Agenda 21, and system-wide cooperative efforts for the implementation of recommendations contained therein:

   (a) Integrated water resources development and management;

   (b) Water resources assessment;

   (c) Protection of water resources, water quality and aquatic ecosystems;

(d) Water supply and sanitation: report of the Inter-Agency Steering Committee for Water Supply and Sanitation;

(e) Water for sustainable urban development;

(f) Water for sustainable food production and rural development.

8. The Global Environment Facility and water resources.

9. Global Programme of Action for the Protection of the Marine Environment from Land-based Activities.

10. Other issues related to system-wide coordination:

(a) Facilitation of information flows concerning programmes and activities of the organizations of the United Nations system and non-governmental organizations;

(b) Establishment of a computerized thesaurus of water terms;

(c) Science and technology and adaptation of technology issues in the field of water resources;

(d) Specific activities of member bodies brought to the attention of the members of the Subcommittee;

(e) Other matters.

11. Date and place of the eighteenth session of the ACC Subcommittee on Water Resources.

12. Adoption of the report of the seventeenth session of the ACC Subcommittee on Water Resources.

Annex III

LIST OF DOCUMENTS

ACC/SWR/1996/1	Provisional agenda
ACC/SWR/1996/2	Proposed programme of work
ACC/SWR/1996/3	Task managers report for the 1997 review of chapter 18 of Agenda 21: freshwater resources
ACC/SWR/1996/4	Matters arising from the eighth session of the Inter-Agency Steering Committee for Sustainable Development: report of the meeting of task managers
ACC/SWR/1996/5	Matters arising from the third session of the Committee on Natural Resources
ACC/SWR/1996/6	Comprehensive assessment of the freshwater resources of the world
ACC/SWR/1996/7	Water resources management in Africa: compilation and analysis of activities of the United Nations organizations
ACC/SWR/1996/7/Add.1	Water resources management in Africa: compilation and analysis of the activities of the United Nations Children's Fund in 1994, and planned activities for 1995
ACC/SWR/1996/8	Multi-agency programme for integrated water resources management in peri-urban areas
ACC/SWR/1996/9	Human resources development in the water sector
ACC/SWR/1996/10	Water resources management: overview of the activities of the Department for Development Support and Management Services and comments on the progress on the implementation of Agenda 21
ACC/SWR/1996/11	Innovative approaches in the water sector

Annex IV

PROVISIONAL AGENDA FOR THE EIGHTEENTH SESSION OF THE ACC SUBCOMMITTEE ON WATER RESOURCES

1. Opening of the session.

2. Adoption of the agenda and organization of work.

3. Matters arising from the Commission on Sustainable Development and the Inter-Agency Committee on Sustainable Development.

4. Measures to strengthen coordination:

   (a) United Nations system;

   (b) Global Water Partnership;

   (c) Organizations outside the United Nations system;

   (d) Facilitation of information flows concerning programmes and activities of the organizations of the United Nations system and non-governmental organizations.

5. Initiatives for joint action:

   (a) Comprehensive assessment of the freshwater resources of the world: follow-up;

   (b) Water resources management in Africa;

   (c) Public information, with particular reference to World Water Day.

6. Coordination and monitoring of chapter 18 of Agenda 21, and system-wide cooperative efforts for the implementation of recommendations contained therein:

   (a) Integrated water resources development and management;

   (b) Water resources management;

   (c) Protection of water resources, water quality and aquatic ecosystems;

   (d) Water supply and sanitation: report of the Inter-Agency Steering Committee for Water Supply and Sanitation;

   (e) Water for sustainable urban development;

   (f) Water for sustainable food production and rural development;

   (g) Impact of climate change on water resources.

7. The Global Environment Facility and water resources

8. Other issues related to system-wide coordination:

   (a) Water-related natural disasters;

   (b) Water for industrial uses;

   (c) Establishment of a computerized thesaurus of water terms;

   (d) Science and technology and adaptation of technology issues;

   (e) Specific activities of member bodies brought to the attention of the Subcommittee;

   (f) Other matters.

9. Date and place of the nineteenth session of the ACC Subcommittee on Water Resources, and selection of Chair and vice-chairpersons for the nineteenth and twentieth sessions of the Subcommittee.

10. Adoption of the report of the ACC Subcommittee on Water at its eighteenth session.